

**1346.5504 SECTION 504 (IFGC) SIZING OF CATEGORY 1 APPLIANCE VENTING SYSTEMS.**

Subpart 1. **Section 504.2.7.** IFGC section 504.2.7 is amended to read as follows:

**504.2.7 Liner system sizing.** Listed corrugated metallic chimney liner systems in masonry chimneys shall be sized by using IFGC Table 504.2(1) or 504.2(2) for Type B vents with the maximum capacity reduced by 20 percent ( $0.80 \times$  maximum capacity) and the minimum capacity as shown in IFGC Table 504.2(1) or 504.2(2). Corrugated metallic liner systems installed with bends or offsets shall have their maximum capacity further reduced in accordance with IFGC section 504.2.3. Approved metallic liners, other than listed corrugated metallic liner systems, installed in accordance with amended IFGC section 501.12, shall be sized by using IFGC Table 504.2(1) or 504.2(2) for Type B vents. When IFGC Table 504.2(1) or 504.2(2) permits more than one diameter for a connector or vent of a fan-assisted appliance, the smallest permitted diameter shall be used.

Subp. 1a. **Table 504.2(3).** IFGC Table 504.2(3) is amended to read as follows:

In the row with the heading "Maximum Internal Area of Chimney (square inches)," change the phrase "Seven times" to "Four times."

Subp. 1b. **Table 504.2(4).** IFGC Table 504.2(4) is amended to read as follows:

In the row with the heading "Maximum Internal Area of Chimney (square inches)," change the phrase "Seven times" to "Four times."

Subp. 2. **Section 504.2.8.** IFGC Section 504.2.8 is amended to read as follows:

**504.2.8 Vent area and diameter.** Where the vertical vent has a larger diameter than the vent connector, the vertical vent diameter shall be used to determine the minimum vent capacity, and the connector diameter shall be used to determine the maximum vent capacity. The flow area of the vertical vent shall not exceed four times the flow area of the listed appliance categorized vent area, flue collar area, or draft hood outlet area unless designated in accordance with approved engineering methods.

Subp. 3. **Section 504.3.17.** IFGC Section 504.3.17 is amended to read as follows:

**504.3.17 Vertical vent maximum size.** Where two or more appliances are connected to a vertical vent or chimney, the flow area of the largest section of vertical vent or chimney shall not exceed four times the smallest listed appliance categorized vent areas, flue collar area, or draft hood outlet area unless designed in accordance with approved engineering methods.

Subp. 4. **Section 504.3.19.** IFGC Section 504.3.19 is amended to read as follows:

**504.3.19 Liner system sizing.** Listed corrugated metallic chimney liner systems in masonry chimneys shall be sized by using IFGC Table 504.3(1) or 504.3(2) for Type B

vents, with the maximum capacity reduced by 20 percent (0.80 x maximum capacity) and the minimum capacity as shown in IFGC Table 504.3(1) or 504.3(2). Corrugated metallic liner systems installed with bends or offsets shall have their maximum capacity further reduced in accordance with IFGC Sections 504.3.5 and 504.3.6. Approved metallic liners, other than listed corrugated metallic liner systems, installed in accordance with amended IFGC Section 501.12, shall be sized by using IFGC Table 504.3(1) or 504.3(2) for Type B vents. When IFGC Table 504.3(1) or 504.3(2) permits more than one diameter for a connector or vent of a fan-assisted appliance, the smallest permitted diameter shall be used.

**Statutory Authority:** *MS s 16B.59; 16B.61; 16B.64; 326B.02; 326B.101; 326B.106; 326B.13*

**History:** *29 SR 299; L 2007 c 140 art 4 s 61; art 13 s 4; 34 SR 537; 39 SR 690*

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